SOUTHWEST RESEARCH INSTITUTE®
SUMMARY STATUS FOR PROJECT 14.06170
AGREEMENT DTRS56-02-T-0004
"BASELINE STUDY OF ALTERNATIVE IN-LINE INSPECTION VEHICLES"

STATUS OF WORK THROUGH MARCH 31, 2003

The project relates to the problem of unpiggable pipelines. Pipelines may be unpiggable for many reasons, including the configuration of the pipeline, the operating pressure of the transported medium, and the flow rate. The future of in-line inspection will be enhanced if inspection can be effected by devices that can function in unpiggable (as well as piggable) pipelines.

This project is documenting the current state of the pipeline system, the current capabilities of internal inspection systems, and the potential for new vehicle concepts that can increase the capabilities of those systems.

During this reporting period, work was accomplished on Task 2: Document the Current State of the Art in ILI, and Task 4: Document Conceptual Designs. The work in Task 2 consisted of gathering literature from the pipeline service companies regarding their services and capabilities. The literature was obtained from the company web sites, the company exhibit booths at professional meetings, and personal contact with company employees. The work in Task 4 consisted of interviewing individuals involved in the development of new systems.

Point of Contact

Alfred E. Crouch
Staff Engineer
Applied Physics Division
Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238
(210) 522-3157
(210) 684-4822 fax
acrouch@SwRI.org